

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application No. 10/682,379  
 Filing Date October 9, 2003  
 First Named Inventor Luis De Taboada  
 Art Unit 3739  
 Examiner David M. Shay  
 Attorney Docket No. ACULSR.005CP1

(Multiple sheets used when necessary)

SHEET 1 OF 4

FEB 01 2006

## U.S. PATENT DOCUMENTS

Examiner Initials	Document No.	Document Number	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
dm	1	4,930,504	06/05/1990	Diamantopoulos et al.	
dm	2	4,951,482	08/28/1990	Gilbert	
dm	3	5,445,608	08/29/1995	Chen et al.	
dm	4	5,728,090	03/17/1998	Martin et al.	
dm	5	5,843,073	12/01/1998	Sinofsky	
dm	6	5,879,376	03/09/1999	Miller	
dm	7	6,146,410	11/14/2000	Nagypal et al.	
dm	8	6,364,907 B1	04/02/2002	Obochi et al.	
dm	9	6,663,659 B2	12/16/2003	McDaniel	
dm	10	2003/0125782 A1	07/03/2003	Streeter (Atty. Docket No. ACULSR.009A)	
dm	11	2003/0144712 A1	07/31/2003	Streeter, M.D. (Atty. Docket No. ACULSR.006A)	
dm	12	2003/0212442 A1	11/13/2003	Streeter (Atty. Docket No. ACULSR.008A)	
dm	13	2003/0216797 A1	11/20/2003	Oron (Atty. Docket No. ACULSR.037C1)	
dm	14	2004/0132002 A1	07/08/2004	Streeter (Atty. Docket No. ACULSR.029A)	
dm	15	2004/0014199 A1	01/22/2004	Streeter (Atty. Docket No. ACULSR.007A)	
dm	16	2004/0044384 A1	03/04/2004	Leber et al.	
dm	17	2004/0220513 A1	11/04/2004	Streeter (Atty. Docket No. ACULSR.034A)	
dm	18	2004/0260367 A1	12/23/2004	De Taboada et al. (Atty. Docket No. ACULSR.008CP1)	
dm	19	2005/0009161 A1	01/13/2005	Streeter (Atty. Docket No. ACULSR.028A)	
dm	20	2005/0107851 A1	05/19/2005	Taboada et al. (Atty. Docket No. ACULSR.5CP1CP2)	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	21	<del>PCT/CA99/00166</del> <del>ISR dated 06/03/1999</del>	<del>08/26/1999</del>	<del>Laser Research International, Inc.</del>		
	22	<del>PCT/US02/36808</del> <del>ISR dated 04/02/2003</del>	<del>11/15/2002</del>	<del>PhotoThera, Inc. (Atty. Docket No. ACULSR.009VPC)</del>		

no copy  
no copy

Examiner Signature

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Multiple sheets used when necessary)	Application No.	10/682,379
	Filing Date	October 9, 2003
	First Named Inventor	Luis De Taboada
	Art Unit	3739
SHEET 2 OF 4		Attorney Docket No. ACULSR.005CP1

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
dm	23	PCT/US03/00747 ISR dated 05/14/2003	01/09/2003	PhotoThera, Inc. (Atty. Docket No. ACULSR.007VPC)		
dm	24	WO 99/62599	12/09/1999	Amir Oron		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
dm	25	ARVIDSSON, Andreas, et al., <i>Neuronal replacement from endogenous precursors in the adult rat brain after stroke</i> , <u>Nature Medicine</u> , Vol. 8, No. 9, September 2002, pp. 963-970.	
dm	26	ASAH, Minoru, et al., <i>Expression of Interleukin B Converting Enzyme Gene Family and bcl-2 Gene Family in the Rat Brain Following Permanent Occlusion of the Middle Cerebral Artery</i> , <u>Journal of Cerebral Blood Flow &amp; Metabolism</u> , Vol. 17, No. 1, January 1997, 12 pages.	
<del>dm</del>	<del>27</del>	<del>BRILL, G.E., et al., <i>Modifying influence of low level laser irradiation on the relationships in endothelial cell - blood platelet system</i>, 10<sup>th</sup> Congress of the European Society for Photobiology, Vienna, Austria (one page).</del>	<del></del> no data
dm	28	BYRNES, K.R., et al., <i>Light Therapy Promotes Axonal Regeneration After Acute Spinal Cord Injury in Adult Rats</i> , Program No. 275.2, <u>Society for Neuroscience</u> , 2003, Abstract.	
dm	29	DIRNAGL, Ulrich, et al., <i>Pathobiology of ischaemic stroke: an integrated view</i> , <u>TINS</u> , Vol. 22, No. 9, 1999, pp. 391-397.	
dm	30	EELLS, J.T., et al., <i>Therapeutic photobiomodulation for methanol-induced retinal toxicity</i> , <u>Proceedings National Academy of Science (PNAS)</u> , Vol. 100, No. 6, March 18, 2003, pp. 3439-3444.	
dm	31	ELIMADI, Aziz, et al., <i>Trimetazidine Counteracts the Hepatic Injury Associated with Ischemia-Reperfusion by Preserving Mitochondrial Function</i> , <u>Journal of Pharmacology and Experimental Therapeutics</u> , Vol. 286, No. 1, 1998, pp. 23-28.	
dm	32	GAGE, Fred H., <i>Brain, Repair Yourself</i> , <u>Scientific American</u> , September 2003, pp. 47-53.	
dm	33	GASPARYAN, Levon V., et al., <i>Low Level Laser Therapy of Male Genital Tract Chronic Inflammations</i> , WALT 2-nd Congress (Kansas City, USA), 1998 (two pages).	
<del>dm</del>	<del>34</del>	<del>GASPARYAN, L.V., et al., <i>The influence of LED irradiation at different wavelengths on functional activity of blood platelets</i>, 10<sup>th</sup> Congress of the European Society for Photobiology, Vienna, Austria, 2003 (one page).</del>	<del></del> no data
dm	35	GASPARYAN, L.V., et al., <i>The influence of LED irradiation at different wavelengths with antioxidants on functional activity of blood platelets</i> , <u>Laser</u> , Florence, 2003 (one page).	
<del>dm</del>	<del>36</del>	<del>GASPARYAN, Levon V., <i>Biochemical and Biophysical Effects of Low Level Laser Irradiation</i>, <u>MAI</u> 2000, Helsinki, Finland (three pages).</del>	

Examiner Signature <i>[Signature]</i>	Date Considered <i>February 14, 2006</i>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	10/682,379
	Filing Date	October 9, 2003
	First Named Inventor	Luis De Taboada
	Art Unit	3739
(Multiple sheets used when necessary)	Examiner	David M. Shay
SHEET 3 OF 4	Attorney Docket No.	ACULSR.005CPI

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	<del>37</del>	<del>GASPARYAN, Levon V., Experience of Russian (former USSR) Scientists in LLLT and UV Blood Irradiation, MAL 2000, Helsinki, Finland (four pages).</del>	<del></del> no date
dm	38	GASPARYAN, Levon V., Investigation of Sensations, Associated with Laser Blood Irradiation, WALT 2-nd Congress (Kansas City, USA), 1998 (two pages).	
	<del>39</del>	<del>GASPARYAN, Levon V., Millimeter Wave Therapy, MAL 2000, Helsinki, Finland (three pages).</del>	<del></del> no date
dm	40	GROSS, Garrett J., et al., Mechanisms of Postischemic Contractile Dysfunction, Myocardial Protection From Surgical Ischemic-Reperfusion Injury, An International Symposium, Asheville, North Carolina, Sept. 21-24, 1997, pp. 1897-1904. 1898 - 1904	
dm	41	IADECOLA, Costantino, et al., Inhibition of inducible nitric oxide synthase ameliorates ischemic damage, Am. J. Physiol., Vol. 268, 1995, pp. R286-R292.	
	<del>42</del>	<del>KARU, T.I., Low power laser therapy, in Biomedical Photonics Handbook, Ch. 48, Editor-in-Chief Tuan Vo-Dinh, Boca Raton, CRC Press, 2003.</del>	<del></del> no page numbers
	<del>43</del>	<del>KARU, Tiina, Mechanisms of interaction of monochromatic visible light with cells, Proc. SPIE, Vol. 2630, pp. 2-9.</del>	<del></del> no date
dm	44	KARU, Tiina, Photobiological Fundamentals of Low Power Laser Therapy, IEEE Journal of Quantum Electronics, Vol. QE-23, No. 10, October 1987, pp. 1703-1717.	
	<del>45</del>	<del>LASER EXCHANGE. The Laser Exchange: Delivering the medicine of the future, <a href="http://www.laserexchange.co.uk/laser-therapy/ultrasound.htm">http://www.laserexchange.co.uk/laser-therapy/ultrasound.htm</a>, 2 pages.</del>	<del></del> no date
dm	46	LEUNG, Mason C.P., et al., Treatment of Experimentally Induced Transient Cerebral Ischemia with Low Energy Laser Inhibits Nitric Oxide Synthase Activity and Up-Regulates the Expression of Transforming Growth Factor-Beta 1, Lasers in Surgery and Medicine, Vol. 31, 2002, pp. 283-288.	
dm	47	NISHIOKA, Norman S., et al., Reflection and Transmission of Laser Light From the Esophagus: The Influence of Incident Angle, Gastroenterology, Vol. 94, 1988, pp. 1180-1185.	
dm	48	OLESIN, Al, et al., Laser irradiation of venous blood for production of reperfusion syndrome in myocardial infarction, Patologisheskaia fiziologiya, 1992 (Abstract only).	
dm	49	ORON, Uri, et al., Attenuation of Infarct Size in Rats and Dogs after Myocardial Infarction by Low-Energy Laser Irradiation, Lasers in Surgery and Medicine, Vol. 28, 2001, pp. 204-211.	
dm	50	STYS, Peter K., Anoxia and Ischemic Injury of Myelinated Axons in CNS White Matter: From Mechanistic Concepts to Therapeutics, J. Cereb. Blood Flow Metab., Vol. 18, No. 1, January 1998, 42 pages.	
	<del>51</del>	<del>THOR LASER, Is LLLT Different from Ultrasound?, <a href="http://www.thorlaser.com/LLLT/is-LLLT-diff-from-ultrasound.htm">http://www.thorlaser.com/LLLT/is-LLLT-diff-from-ultrasound.htm</a>, 2 pages.</del>	<del></del> no date
dm	52	THOR LASER, Product List, Thor, Illt, LLLT, Low Level Laser Therapy, Laz., <a href="http://www.thorlaser.com/prodlist/index.html">http://www.thorlaser.com/prodlist/index.html</a> , Oct. 6, 1999, pp. 1-4.	
dm	53	THOR LASER, Specifications, Thor, Illt, LLLT, Low Level Laser Therapy, low level laser therapy, <a href="http://www.thorlaser.com/specs">http://www.thorlaser.com/specs</a> , Oct. 6, 1999, pp. 1-2.	

Examiner Signature

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	10/682,379
	Filing Date	October 9, 2003
	First Named Inventor	Luis De Taboada
	Art Unit	3739
(Multiple sheets used when necessary)	Examiner	David M. Shay
SHEET 4 OF 4	Attorney Docket No.	ACULSR.005CP1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
dm	54	THOR LASER, 100mW, Thor, llit, LLLT, <i>Low Level Laser Therapy, low level laser therapy, Lazer, Thorl.</i> , <a href="http://www.thorlaser.com/specs/100m W.html">http://www.thorlaser.com/specs/100m W.html</a> , Oct. 6, 1999, p. 1.	
dm	55	THOR LASER, 200mW, Thor, llit, LLLT, <i>Low Level Laser Therapy, low level laser therapy, Lazer, Thorl.</i> , <a href="http://www.thorlaser.com/specs/200m W.html">http://www.thorlaser.com/specs/200m W.html</a> , Oct. 6, 1999, p. 1.	
dm	56	THOR LASER, 500mW, Thor, llit, LLLT, <i>Low Level Laser Therapy, low level laser therapy, Lazer, Thorl.</i> , <a href="http://www.thorlaser.com/specs/500m W.html">http://www.thorlaser.com/specs/500m W.html</a> , Oct. 6, 1999, p. 1.	
dm	57	THOR LASER, 200mW, Thor, llit, LLLT, <i>Low Level Laser Therapy, low level laser therapy, Lazer, Thorl.</i> , <a href="http://www.thorlaser.com/specs/200m W650nm.html">http://www.thorlaser.com/specs/200m W650nm.html</a> , Oct. 6, 1999, p. 1.	
dm	58	THOR LASER, 680nm PROBE, Thor, llit, LLLT, <i>Low Level Laser Therapy, low level laser therapy, Lazer</i> , <a href="http://www.thorlaser.com/specs/680.html">http://www.thorlaser.com/specs/680.html</a> , Oct. 6, 1999, p. 1.	
dm	59	TUNÉR, Jan, et al., <i>Low Level Laser Therapy, Clinical Practice and Scientific Background</i> , Prima Books in Sweden AB, 1999, pp. 1-9, 45-58, 59-109, 62-114; 113-116, 118, 132-134, 134-135; 149-151; 151-156; 185; 334-364.	
dm	60	WONG-RILEY, Margaret T.T., et al., <i>Light-emitting diode treatment reverses the effect of TTX on cytochrome oxidase in neurons</i> , <i>NeuroReport</i> , Vol. 12, No. 14, October 8, 2001, pp. 3033-3037.	

2327596  
012706

Examiner Signature	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.